

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No. Serial No. Applicant Filing Date Group	50125/113001 10/587,159 Hopf et al. June 26, 2007 1649
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			
(37 C.F.R. § 1.98(b))			

U.S. PATENT DOCUMENTS			
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant
	4,816,397	03/28/1989	Boss et al.
	4,816,567	03/28/1989	Cabilly et al.
	4,980,286	12/25/1990	Morgan et al.
	5,096,815	03/17/1992	Ladner et al.
	5,198,346	03/30/1993	Ladner et al.
	5,223,409	06/29/1993	Ladner et al.
	5,225,539	07/06/1993	Winter
	5,498,538	03/12/1996	Kay et al.
	5,545,806	08/13/1996	Lonberg et al.
	5,569,825	10/29/1996	Lonberg et al.
	5,582,981	12/10/1996	Toole et al.
	5,585,089	12/17/1996	Queen et al.
	5,625,126	04/29/1997	Lonberg et al.
	5,633,425	05/27/1997	Lonberg et al.
	5,661,016	08/26/1997	Lonberg et al.

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION				
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Translation (Yes/No)
	WO 86/01533	03/13/1986	WIPO	
	WO 87/02671	05/07/1987	WIPO	
	WO 88/01649	03/10/1988	WIPO	
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	WO 88/09810	12/15/1988	WIPO
	WO 89/10134	11/2/1989	WIPO
	WO 90/02809	03/22/1990	WIPO
	WO 90/11364	10/04/1990	WIPO
	WO 91/17271	11/14/1991	WIPO
	WO 92/01047	01/23/1992	WIPO
	WO 92/09690	06/11/1992	WIPO
	WO 92/15679	09/17/1992	WIPO
	WO 92/18619	10/29/1992	WIPO
	WO 92/20791	11/26/1992	WIPO
	WO 93/01288	01/21/1993	WIPO
	WO 93/06213	04/01/1993	WIPO
	WO 93/20242	10/14/1993	WIPO
	WO 94/18318	08/18/1994	WIPO
	WO 95/11910	05/04/1995	WIPO
	WO 97/29116	08/14/1997	WIPO
	WO 98/24884	06/11/1998	WIPO
	WO 98/37240	08/27/1998	WIPO
	WO 00/09716	02/24/2000	WIPO
	WO 00/43039	07/27/2000	WIPO
	WO 01/87287 A2	11/22/2001	WIPO
	WO 03/020726 A1	03/13/2003	WIPO
	WO 2004/005457 A2	01/15/2004	WIPO
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	0 125 023	11/14/1984	EP
	0 171 496	02/19/1986	EP
	0 173 494	03/05/1986	EP
	0 184 187	06/11/1986	EP
	0 368 684	05/16/1990	EP
	1 105 508	06/13/2001	EP

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Albala, "Array-based proteomics: the latest chip challenge", Expert Rev Mol Diagn. 2001 Jul;1(2):145-52.
	Amarzguioui and Prydz, "Hammerhead ribozyme design and application", Cell Mol Life Sci. 1998 Nov;54(11):1175-202.
	Andrau et al. "BACE1- and BACE2-expressing human cells: characterization of beta-amyloid precursor protein-derived catabolites, design of a novel fluorimetric assay, and identification of new in vitro inhibitors", J Biol Chem. 2003 Jul 11;278(28):25859-66. Epub 2003 May 7.
	Annaert and De Strooper, "A Cell Biological Perspective on Alzheimer's Disease" Annu Rev Cell Dev Biol 19, 25-51.
	Beldler et al., "Cloning and high level expression of a chimeric antibody with specificity for human carcinoembryonic antigen", J Immunol. 1988 Dec 1;141(11):4053-60.
	Beigelman et al., "Synthesis and biological activities of a phosphorodithioate analog of 2',5'-oligoadenylate", Nucleic Acids Res. 1995 Oct 11;23(19):3989-94.
	Benoist and Chambon "In vivo sequence requirements of the SV40 early promoter region", Nature. 1981 Mar 26;290(5804):304-10.
	Beste et al., "Small antibody-like proteins with prescribed ligand specificities derived from the lipocalin fold", Proc Natl Acad Sci U S A. 1999 Mar 2;96(5):1898-903.
	Better et al., "Escherichia coli secretion of an active chimeric antibody fragment", Science. 1988 May 20;240(4855):1041-3.
	Blasko et al., "Experimental traumatic brain injury in rats stimulates the expression, production and activity of Alzheimer's disease beta-secretase (BACE-1)", J Neural Transm. 2004 Apr;111(4):523-536. Epub 2004 Feb 4.

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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Blawas and Reichert, "Protein patterning", Biomaterials. 1998 Apr-May;19(7-9):595-609.
	Bock et al., "Selection of single-stranded DNA molecules that bind and inhibit human thrombin", Nature. 1992 Feb 6;355(6360):564-566.
	Brenner and Lerner, "Encoded combinatorial chemistry", Proc Natl Acad Sci U S A. 1992 Jun 15;89(12):5381-5383.
	Bresnick et al., "Identification of signal transduction pathways used by orphan g protein-coupled receptors", Assay Drug Dev Technol. 2003 Apr;1(2):239-249.
	Brinster et al., "Regulation of metallothionein-thymidine kinase fusion plasmids injected into mouse eggs", Nature. 1982 Mar 4;296(5852):39-42.
	Brody and Gold, "Aptamers as therapeutic and diagnostic agents", Rev. Mol. Biotechnol. 74:5-13, 2000.
	Bruni et al., "Fe65, a ligand of the Alzheimer's beta-amyloid precursor protein, blocks cell cycle progression by down-regulating thymidylate synthase expression", J Biol Chem. 2002 Sep 20;277(38):35481-3548. Epub 2002 Jun 27.
	Buchwald et al., "Long-term, continuous intravenous heparin administration by an implantable infusion pump in ambulatory patients with recurrent venous thrombosis", Surgery. 1980 Oct;88(4):507-16.
	Bunin et al., "The combinatorial synthesis and chemical and biological evaluation of a 1,4-benzodiazepine library", Proc Natl Acad Sci U S A. 1994 May 24;91(11):4708-12.
	Cao and Südhof, "A transcriptionally [correction of transcriptively] active complex of APP with Fe65 and histone acetyltransferase Tip60", Science. 2001 Jul 6;293(5527):115-20.
	Chen et al., "Geometric control of cell life and death", Science. 1997 May 30;276(5317):1425-8.
	Cole et al., "The EBV-Hybridoma Technique and its Application to Human Lung Cancer" Monoclonal Antibodies and Cancer Therapy, Alan R. Liss, Inc., pp 77-96, 1985.
	Couture and Stinchcomb "Anti-gene therapy: the use of ribozymes to inhibit gene function", Trends Genet. 1996 Dec;12(12):510-5.
	De Strooper et al., "Deficiency of presenilin-1 inhibits the normal cleavage of amyloid precursor protein", Nature. 1998 Jan 22;391(6665):387-90.
	De Strooper et al., "A presenilin-1-dependent gamma-secretase-like protease mediates release of Notch intracellular domain", Nature. 1999 Apr 8;398(6727):518-22.
	Diamond et al., "Monoclonal antibodies. A new technique for producing serologic reagents", N Engl J Med. 1981 May 28;304(22):1344-9.

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	Duilio et al., "Fe65L2: a new member of the Fe65 protein family interacting with the intracellular domain of the Alzheimer's beta-amyloid precursor protein", Biochem J. 1998 Feb 15;330 (Pt 1):513-9.
	During et al., "Controlled release of dopamine from a polymeric brain implant: in vivo characterization", Ann Neurol. 1989 Apr;25(4):351-6.
	Ekins, "Multi-analyte immunoassay", J Pharm Biomed Anal. 1989;7(2):155-68.
	Elbashir et al., "RNA interference is mediated by 21- and 22-nucleotide RNAs", Genes Dev. 2001 Jan 15;15(2):188-200.
	Elbashir et al., "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells", Nature. 2001 May 24;411(6836):494-8.
	Ellington and Szostak, "Selection in vitro of single-stranded DNA molecules that fold into specific ligand-binding structures", Nature. 1992 Feb 27;355(6363):850-2.
	Erb et al., "Recursive deconvolution of combinatorial chemical libraries", Proc Natl Acad Sci U S A. 1994 Nov 22;91(24):11422-6.
	Figeys and Pinto, "Proteomics on a chip: promising developments", Electrophoresis. 2001 Jan;22(2):208-16.
	Fowlkes et al., "Multipurpose Vectors for Peptide Expression on the M13 Viral Surface" BioTechniques, 13:422-427, 1992.
	Francis et al., "aph-1 and pen-2 are required for Notch pathway signaling, gamma-secretase cleavage of betaAPP, and presenilin protein accumulation", Dev Cell. 2002 Jul;3(1):85-97.
	Fuchs et al., "Targeting recombinant antibodies to the surface of Escherichia coli: fusion to a peptidoglycan associated lipoprotein" Biotechnology (N Y). 1991 Dec;9(12):1369-72.
	Gabriel et al., "High throughput screening technologies for direct cyclic AMP measurement", Assay Drug Dev Technol. 2003 Apr;1(2):291 291-303.
	Gallop et al., "Applications of combinatorial technologies to drug discovery. 1. Background and peptide combinatorial libraries", J Med Chem. 1994 Apr 29;37(9):1233-51.
	Gautier et al., "Alpha-DNA. IV: Alpha-anomeric and beta-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physicochemical properties and poly (rA) binding", Nucleic Acids Res. 1987 Aug 25;15(16):6625-41.
	Georgakopoulos et al., "Presenilin-1 forms complexes with the cadherin/catenin cell-cell adhesion system and is recruited to intercellular and synaptic contacts", Mol Cell. 1999 Dec;4(6):893-902.
	Goodson, Medical Applications of Controlled Release, Vol. 2, pp 115-138, 1984.

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	Griffiths et al., "Human anti-self antibodies with high specificity from phage display libraries", EMBO J. 1993 Feb;12(2):725-34.
	Hay et al., "Bacteriophage cloning and Escherichia coli expression of a human IgM Fab", Hum Antibodies Hybridomas. 1992 Apr;3(2):81-5.
	Hermey et al., "Identification of a novel seven-transmembrane receptor with homology to glycoprotein receptors and its expression in the adult and developing mouse", Biochem Biophys Res Commun. 1999 Jan 8;254(1):273-9.
	Honoré, "Genome- and proteome-based technologies: status and applications in the postgenomic era", Expert Rev Mol Diagn. 2001 Sep;1(3):265-74.
	Houghten et al., "Generation and use of synthetic peptide combinatorial libraries for basic research and drug discovery", Nature. 1991 Nov 7;354(6348):84-6.
	Houghten et al., "The use of synthetic peptide combinatorial libraries for the identification of bioactive peptides", Biotechniques. 1992 Sep;13(3):412-21.
	Howard et al., "Orphan G-protein-coupled receptors and natural ligand discovery", Trends Pharmacol Sci. 2001 Mar;22(3):132-40.
	Howard et al., "Acute subdural hematomas: an age-dependent clinical entity", J Neurosurg. 1989 Dec;71(6):858-63.
	Hsu, "Characterization of two LGR genes homologous to gonadotropin and thyrotropin receptors with extracellular leucine-rich repeats and a G protein-coupled, seven-transmembrane region", Mol Endocrinol. 1998 Dec;12(12):1830-45.
	Huse et al., "Generation of a large combinatorial library of the immunoglobulin repertoire in phage lambda", Science. 1989 Dec 8;246(4935):1275-81.
	Inoue et al., "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H" FEBS Lett. 1987 May 11;215(2):327-30.
	Inoue et al., "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", Nucleic Acids Res. 1987 Aug 11;15(15):6131-48.
	Jayasena, "Aptamers: an emerging class of molecules that rival antibodies in diagnostics", Clin Chem. 1999 Sep;45(9):1628-50.
	Jayawickreme et al., "Creation and functional screening of a multi-use peptide library", Proc Natl Acad Sci U S A. 1994 Mar 1;91(5):1614-8.
	Jespers et al., "Guiding the Selection of Human Antibodies from Phage Display Repertoires to a Single Epitope of an Antigen", Bio/Technology 12, 899-903, 1994.

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	Joliot et al., "Antennapedia homeobox peptide regulates neural morphogenesis", Proc Natl Acad Sci U S A. 1991 Mar 1;88(5):1864-8.
	Jones et al., "Replacing the complementarity-determining regions in a human antibody with those from a mouse", Nature. 1986 May 29-Jun 4;321(6069):522-5.
	Kadonaga and Tjian, "Affinity purification of sequence-specific DNA binding proteins", Proc Natl Acad Sci U S A. 1986 Aug;83(16):5889-93.
	Kane et al., "Patterning proteins and cells using soft lithography", Biomaterials. 1999 Dec;20(23-24):2363-76.
	Karlstroem and Nygren, "Dual labeling of a binding protein allows for specific fluorescence detection of native protein", Anal Biochem. 2001 Aug 1;295(1):22-30.
	Kauvar et al., "Predicting ligand binding to proteins by affinity fingerprinting", Chem Biol. 1995 Feb;2(2):107-18.
	Kauvar, "Affinity Fingerprinting" Bio/Technology 13, 965 – 966, 1995.
	Kauvar, L.M. Toxic chemical detection by pattern recognition. In: New Frontiers in Agrochemical Immunoassay, Washington, D.C.: AOAC, 305-312, 1995.
	Kay et al., "An M13 phage library displaying random 38-amino-acid peptides as a source of novel sequences with affinity to selected targets", Gene. 1993 Jun 15;128(1):59-65.
	Kennedy et al., "Measuring human beta-secretase (BACE1) activity using homogeneous time-resolved fluorescence", Anal Biochem. 2003 Aug 1;319(1):49-55.
	Klug and Famulok, "All you wanted to know about SELEX", Mol Biol Rep. 1994;20(2):97-107.
	Klussman et al., "Mirror-image RNA that binds D-adenosine", Nat Biotechnol. 1996 Sep;14(9):1112-5.
	Kohler and Milstein, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature. 1975 Aug 7;256(5517):495-7.
	Kopan and Gouate, "A common enzyme connects notch signaling and Alzheimer's disease", Genes Dev. 2000 Nov 15;14(22):2799-806.
	Kovacs, "Alzheimer-associated presenilins 1 and 2: neuronal expression in brain and localization to intracellular membranes in mammalian cells", Nat Med. 1996 Feb;2(2):224-9.
	Kozbor et al., "The production of monoclonal antibodies from human lymphocytes", Immunol. Today 4:72-79, 1983.
	van der Krol et al., "Modulation of eukaryotic gene expression by complementary RNA or DNA sequences", Biotechniques. 1988 Nov-Dec;6(10):958-76.

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	Kudo et al., "The nematode leucine-rich repeat-containing, G protein-coupled receptor (LGR) protein homologous to vertebrate gonadotropin and thyrotropin receptors is constitutively active in mammalian cells", Mol Endocrinol. 2000 Feb;14(2):272-84.
	Lam et al., "A new type of synthetic peptide library for identifying ligand-binding activity", Nature. 1991 Nov 7;354(6348):82-4.
	Langer, "New methods of drug delivery", Science. 1990 Sep 28;249(4976):1527-33.
	Langer and Peppas, Macromol. Sci. Rev. Macromol. Chem. 23:61, 1983.
	Lee et al., "Protein Nanoarrays Generated By Dip-Pen Nanolithography", Science 295:5560:1702 -1705, 2002.
	Lee, "Proteomics: a technology-driven and technology-limited discovery science", Trends Biotechnol. 2001 Jun;19(6):217-22.
	Lemaitre et al., "Specific antiviral activity of a poly(L-lysine)-conjugated oligodeoxyribonucleotide sequence complementary to vesicular stomatitis virus N protein mRNA initiation site", Proc Natl Acad Sci U S A. 1987 Feb;84(3):648-52.
	Leonetti et al., "Antibody-targeted liposomes containing ologodeoxyribonucleotides complementary to viral RNA selectively inhibit viral replication" Proc. Natl. Acad. Sci. USA 87:2448-2451, 1990.
	Letsinger et al., "Cholesteryl-conjugated oligonucleotides: synthesis, properties, and activity as inhibitors of replication of human immunodeficiency virus in cell culture", Proc Natl Acad Sci U S A. 1989 Sep;86(17):6553-6.
	Levy et al., "Inhibition of calcification of bioprosthetic heart valves by local controlled-release diphosphonate", Science. 1985 Apr 12;238(4696):190-2.
	Li and Südhof, "Cleavage of amyloid-beta precursor protein and amyloid-beta precursor-like protein by BACE 1", J Biol Chem. 2004 Mar 12;279(11):10542-50. Epub 2003 Dec 29.
	Liu et al., "Production of a mouse-human chimeric monoclonal antibody to CD20 with potent Fc-dependent biologic activity", J Immunol. 1987 Nov 15;139(10):3521-6.
	Liu et al., "Chimeric mouse-human IgG1 antibody that can mediate lysis of cancer cells", Proc Natl Acad Sci U S A. 1987 May;84(10):3439-43.
	Lonber and Huszar, "Human antibodies from transgenic mice", Int Rev Immunol. 1995;13(1):65-93.
	Lopez-Berestein, Liposomes in the Therapy of Infectious Disease and Cancer, Liss, New York, pp 317-327, 1989.
	Lüthi, "Human beta-secretase activity in yeast detected by a novel cellular growth selection system", Biochim Biophys Acta. 2003 Mar 17;1620(1-3):167-78.
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	MacBeath and Schreiber, "Printing proteins as microarrays for high-throughput function determination", Science. 2000 Sep 8;289(5485):1760-3.
	Mahler et al., "Cloning and expression of human V-genes derived from phage display libraries as fully assembled human anti-TNF alpha monoclonal antibodies", Immunotechnology. 1997 Mar;3(1):31-43.
	Matter, "Selecting optimally diverse compounds from structure databases: a validation study of two-dimensional and three-dimensional molecular descriptors", J Med Chem. 1997 Apr 11;40(8):1219-29.
	McDonald et al., "Identification and cloning of an orphan G protein-coupled receptor of the glycoprotein hormone receptor subfamily", Biochem Biophys Res Commun. 1998 Jun 18;247(2):266-70.
	McDonnell, "Surface plasmon resonance: towards an understanding of the mechanisms of biological molecular recognition", Curr Opin Chem Biol. 2001 Oct;5(5):572-7.
	Medynski, "Synthetic peptide combinatorial libraries", Biotechnology (N Y). 1994 Jul;12(7):709-10.
	Mitchell et al., "A perspective on protein microarrays", Nat Biotechnol. 2002 Mar;20(3):225-9.
	Morita et al., "Neonatal lethality of LGR5 null mice is associated with ankyloglossia and gastrointestinal distension", Mol Cell Biol. 2004 Nov;24(22):9736-43.
	Morrison, "Transfectomas provide novel chimeric antibodies", Science. 1985 Sep 20;239(4719):1202-7.
	Naqvi et al., "Beta galactosidase enzyme fragment complementation as a high-throughput screening protease technology", J Biomol Screen. 2004 Aug;9(5):398-407.
	Lander et al., "Initial Sequencing and Analysis of the Human Genome" Nature 409:860-921, 2001.
	Nellen and Lichenstein, "What makes an mRNA anti-sense-itive?", Trends Biochem Sci. 1993 Nov;18(11):419-23.
	Nelson et al., "Biosensor chip mass spectrometry: a chip-based proteomics approach", Electrophoresis. 2000 Apr;21(6):1155-63.
	Nishimura et al., "Recombinant human-mouse chimeric monoclonal antibody specific for common acute lymphocytic leukemia antigen", Cancer Res. 1987 Feb 15;47(4):999-1005.
	Nolte et al., "Mirror-design of L-oligonucleotide ligands binding to L-arginine", Nat Biotechnol. 1996 Sep;14(9):1116-9.
	Nord et al., "Binding proteins selected from combinatorial libraries of an alpha-helical bacterial receptor domain", Nat Biotechnol. 1997 Aug;15(8):772-7.

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	Nord et al., "Recombinant human factor VIII-specific affinity ligands selected from phage-displayed combinatorial libraries of protein A", Eur J Biochem. 2001 Aug;268(15):4269-77.
	Oh et al., "Cell-based assay for beta-secretase activity", Anal Biochem. 2003 Dec 1;323(1):7-11.
	Ohlmeyer et al., "Complex synthetic chemical libraries indexed with molecular tags", Proc Natl Acad Sci U S A. 1993 Dec 1;90(23):10922-6.
	Oi et al., "Chimeric Antibodies" BioTechniques 4:214-219, 1986.
	Oldenburg et al., "Peptide ligands for a sugar-binding protein isolated from a random peptide library", Proc Natl Acad Sci U S A. 1992 Jun 15;89(12):5393-7.
	Ostresh et al., "Libraries from libraries": chemical transformation of combinatorial libraries to extend the range and repertoire of chemical diversity", Proc Natl Acad Sci U S A. 1994 Nov 8;91(23):11138-42.
	Parmley and Smith, "Antibody-selectable filamentous fd phage vectors: affinity purification of target genes", Gene. 1988 Dec 20;73(2):305-18.
	Parmley and Smith, "Filamentous fusion phage cloning vectors for the study of epitopes and design of vaccines", Adv Exp Med Biol. 1989;251:215-8.
	Pearson et al., "Analytical aspects of biosensors", Ann Clin Biochem 37(2): 119-145, 2000.
	Perkins et al., "Probability-based protein identification by searching sequence databases using mass spectrometry data", Electrophoresis. 1999 Dec;20(18):3551-67.
	Persidis, "Ribozyme therapeutics" Nat Biotechnol. 1997 Sep;15(9):921-2.
	Petricoin et al., "Use of proteomic patterns in serum to identify ovarian cancer" Lancet. 2002 Feb 16;359(9306):572-7.
	Rebar and Pabo, "Zinc finger phage: affinity selection of fingers with new DNA-binding specificities" Science. 1994 Feb 4;263(5147):671-3.
	Renneisen et al., "Inhibition of expression of human immunodeficiency virus-1 in vitro by antibody-targeted liposomes containing antisense RNA to the env region" J Biol Chem. 1990 Sep 25;265(27):16337-42.
	Rigaut et al., "A generic protein purification method for protein complex characterization and proteome exploration" Nat Biotechnol. 1999 Oct;17(10):1030-2.
	Roberts et al., "Totally in vitro protein selection using mRNA-protein fusions and ribosome display" Curr Opin Chem Biol. 1999 Jun;3(3):268-73.
	Salmon et al., "Discovery of biologically active peptides in random libraries: solution-phase testing after staged orthogonal release from resin beads" Proc Natl Acad Sci U S A. 1993 Dec 15;90(24):11708-12.
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No. 10/587,159
		Applicant Hopf et al.
		Filing Date June 26, 2007
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(37 C.F.R. § 1.98(b))		

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Sarin et al., "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates" Proc Natl Acad Sci U S A. 1988 Oct;85(20):7448-51.
	Sarver et al., "Ribozymes as potential anti-HIV-1 therapeutic agents" Science. 1990 Mar 9;247(4947):1222-5.
	Saudek et al., "A preliminary trial of the programmable implantable medication system for insulin delivery" N Engl J Med. 1989 Aug 31;321(9):574-9.
	Scott and Smith, "Searching for peptide ligands with an epitope library" Science. 1990 Jul 27;249(4967):386-90.
	Sefton, "Implantable pumps" Crit Rev Biomed Eng. 1987;14(3):201-40.
	Shaw et al., "Mouse/human chimeric antibodies to a tumor-associated antigen: biologic activity of the four human IgG subclasses" J Natl Cancer Inst. 1988 Dec 7;80(19):1553-9.
	Shevchenko et al., "Mass spectrometric sequencing of proteins silver-stained polyacrylamide gels" Anal Chem. 1996 Mar 1;68(5):850-8.
	Simon et al., "Peptoids: a modular approach to drug discovery" Proc Natl Acad Sci U S A. 1992 Oct 15;89(20):9367-71.
	Skerra, "Engineered protein scaffolds for molecular recognition" J Mol Recognit. 2000 Jul-Aug;13(4):167-87.
	Skerra, "Lipocalins as a scaffold" Biochim Biophys Acta. 2000 Oct 18;1482(1-2):337-50
	Slepak, "Application of surface plasmon resonance for analysis of protein-protein interactions in the G protein-mediated signal transduction pathway" J Mol Recognit. 2000 Jan-Feb;13(1):20-6
	Somia et al., "Retroviral vector targeting to human immunodeficiency virus type 1-infected cells by receptor pseudotyping" J Virol. 2000 May;74(9):4420-4
	Somia et al., "LFG: an anti-apoptotic gene that provides protection from Fas-mediated cell death" Proc Natl Acad Sci U S A. 1999 Oct 26;96(22):12667-72.
	Staudt et al., "Cloning of a lymphoid-specific cDNA encoding a protein binding the regulatory octamer DNA motif" Science. 1988 Jul 29;241(4865):577-80.
	Stein, "Anti-sense oligodeoxynucleotides--promises and pitfalls" Leukemia. 1992 Oct;6(10):967-74.
	Stein et al., "Physicochemical properties of phosphorothioate oligodeoxynucleotides" Nucleic Acids Res. 1988 Apr 25;16(8):3209-21.
	Sun et al., "Chimeric antibody with human constant regions and mouse variable regions directed against carcinoma-associated antigen 17-1A" Proc Natl Acad Sci U S A. 1987 Jan;84(1):214-8.
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	Tanahashi and Tabira, "Molecular cloning of human Fe65L2 and its interaction with the Alzheimer's beta-amyloid precursor protein. Molecular cloning of human Fe65L2 and its interaction with the Alzheimer's beta-amyloid precursor protein" Neurosci Lett. 1999 Feb 19;261(3):143-6.
	Tanahashi and Tabira, "Characterization of an amyloid precursor protein-binding protein Fe65L2 and its novel isoforms lacking phosphotyrosine-interaction domains" Biochem J. 2002 Nov 1;367(Pt 3):687-95.
	Templin et al., "Protein microarray technology" Trends Biotechnol. 2002 Apr;20(4):160-6.
	Tian et al., "Linear non-competitive inhibition of solubilized human gamma-secretase by pepstatin A methylester, L685458, sulfonamides, and benzodiazepines" J Biol Chem. 2002 Aug 30;277(35):31499-505. Epub 2002 Jun 18.
	Treat et al., "Liposome encapsulated doxorubicin preliminary results of phase I and phase II trials" Liposomes in the Therapy of Infectious Disease and Cancer, Lopez-Berestein and Fidler, eds., Liss, New York, pp 353-365, 1989.
	Turek et al., "RNA pseudoknots that inhibit human immunodeficiency virus type 1 reverse transcriptase" Proc Natl Acad Sci U S A. 1992 Aug 1;89(15):6988-92.
	Uhlmann and Peyman, "Antisense Oligonucleotides: A New Therapeutic Principle" Chemical Reviews 90(4): 544-584, 1990.
	Vaish et al., "Recent developments in the hammerhead ribozyme field" Nucleic Acids Res. 1998 Dec 1;26(23):5237-42.
	Vassar et al., "Beta-secretase cleavage of Alzheimer's amyloid precursor protein by the transmembrane aspartic protease BACE" Science. 1999 Oct 22;286(5440):735-41.
	Vaughan et al., "Human antibodies with sub-nanomolar affinities isolated from a large non-immunized phage display library" Nat Biotechnol. 1996 Mar;14(3):309-14.
	Vely et al., "BiAcore analysis to test phosphopeptide-SH2 domain interactions" Methods Mol Biol. 2000;121:313-21.
	Verhoeven et al., "Reshaping human antibodies: grafting an antilysozyme activity" Science. 1988 Mar 25;239(4847):1534-6.
	Wagner et al., "Nucleotide sequence of the thymidine kinase gene of herpes simplex virus type 1" Proc Natl Acad Sci U S A. 1981 Mar;78(3):1441-5.
	Weinberger et al, "Recent trends in protein biochip technology" Pharmacogenomics. 2000 Nov;1(4):395-416.
	Wilson and Nock, "Functional protein microarrays" Curr Opin Chem Biol. 2002 Feb;6(1):81-5.
	Winter and Milstein, "Man-made antibodies" Nature. 1991 Jan 24;349(6307):293-9.
	Wood et al., "The synthesis and in vivo assembly of functional antibodies in yeast" Nature. 1985 Apr 4-10;314(6010):446-9.
	Wu and Wu, "Receptor-mediated in vitro gene transformation by a soluble DNA carrier system" J Biol Chem. 1987 Apr 5;262(10):4429-32.
	Xia et al., "Interaction between amyloid precursor protein and presenilins in mammalian cells: implications for the pathogenesis of Alzheimer disease" Proc Natl Acad Sci U S A. 1997 Jul 22;94(15):8208-13.
	Yacyshyn et al, "A placebo-controlled trial of ICAM-1 antisense oligonucleotide in the treatment of Crohn's disease" Gastroenterology. 1998 Jun;114(6):1133-1142.

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	Yamamoto et al., "Identification of a functional promoter in the long terminal repeat of Rous sarcoma virus" Cell. 1980 Dec;22(3):787-97.
	Yamamoto et al., "Overexpression of orphan G-protein-coupled receptor, Gpr49, in human hepatocellular carcinomas with beta-catenin mutations" Hepatology. 2003 Mar;37(3):528-33.
	Yan et al., "Membrane-anchored aspartyl protease with Alzheimer's disease beta-secretase activity" Nature. 1999 Dec 2;402(6761):533-7.
	Yu et al., "The presenilin 1 protein is a component of a high molecular weight intracellular complex that contains beta-catenin" J Biol Chem. 1998 Jun 26;273(26):16470-5.
	Yu et al., "Nicastatin modulates presenilin-mediated notch/glp-1 signal transduction and betaAPP processing" Nature. 2000 Sep 7;407(6800):48-54.
	Yu et al., "Structural basis for the binding of proline-rich peptides to SH3 domains" Cell. 1994 Mar 11;76(5):933-45.
	Zheng and Kemeny, "Inhibition of gene expression by anti-sense oligodeoxynucleotides" Clin Exp Immunol. 1995 Jun;100(3):380-2.
	Zon, "Oligonucleotide analogues as potential chemotherapeutic agents" Pharm Res. 1988 Sep;5(9):539-49.

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